

# USER MANUAL

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## PIP 4 Port HDMI Switcher

Support 4K 3D Auto Switch

Enjoy the vivid world !

### INTRODUCTION

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#### Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI Converter, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The 4x1 HDMI Switcher supports PIP, 4K and 3D can do connect four HD Sources to one HD Display. It can easily switch any one of the input four HD Sources to one HD display. It supports PIP function, and it can do switch or choose the input sources by checking the small picture window from the PIP.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

#### FEATURES

- Four HDMI input signals switched to one single HDMI sink devices
- Support HDMI1.4b
- With HDMI-CEC function.
- HDMI supports Full HD, 3D and 4K2K video
- Support Blue-Ray 24/50/60fs/HD-DVD/xvYCC
- Digital audio format, as DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
- Support signal retiming
- Support PIP function: have one main picture and three small picture, it can do switch of input sources by press button or remote.
- Inputs can be switched with the IR remote control, also can be controlled by two buttons.
- No loss of quality
- Installs in minutes
- Need DC5V/1A power supply

#### PACKAGE CONTENTS:

1. AC power adapter      1pcs

2. Remote control 1pcs  
3. User manual 1pcs



### Physical Connection Showing Picture:

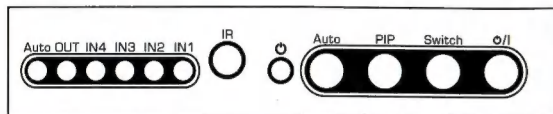


Figure 1.0 Front Panel Showing Picture

Auto: The Auto Detect Led Light for Input Sources

Out: HDMI output led status light

In1- In4: HDMI input led status light

IR: IR Receiver

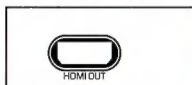
⏻: Power led status light

Auto: Auto Detect Button for the Input Signal

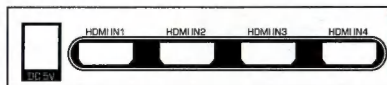
PIP: PIP Function On/Off Button

Switch: HDMI Signal Input Switcher Key (At PIP function use state, the Switch button is used as the Option Confirm Button).

⏻/I: Power On/Off Button



Sketch map of side panel



Sketch map of rear panel

DC5V: 5V DC Power Interface

HDMI IN1-HDMI IN4: HDMI input interface

HDMI OUT: HDMI output interface

### Operating and Connecting:

1. Connect one HDMI cable from HDMI source devices into HDMI input port of switcher.
2. Connect one HDMI cable from TV/Monitor into the HDMI output port of switcher.
3. Connect power adapter to the switcher DC jack and inserted into the power socket.
4. Turn on the power switch and one of the input channels indicator will be lit.
5. Use of switch key or remote controller to select the input signal source.

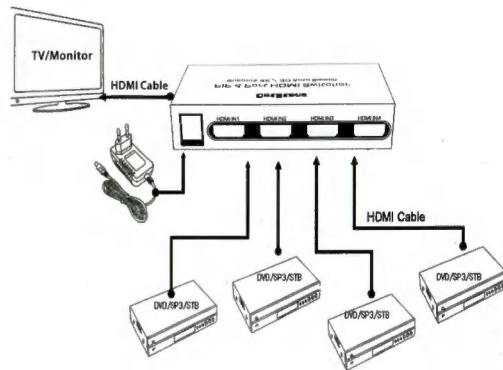


Figure 1.2 CONNECTION DIAGRAM

HDMI resolution .....4KX2K/3D/1080p/1080i/720p/576p/576i/480p/480i

Support HDMI audio format..... DTS-HD/Dolby-trueHD/LPCM/DTS/Dolby-AC3/DSD

Max transmission bandwidth.....	300MHz
Max baud rate.....	9.0Gbps
Input/Output TMDs signal .....	0.5~1.5Volts p-p
Input/Output DDC signal .....	5Vp-p (TTL)
Input cable distance.....	≤10m(1080P)/6M(4K) AWG26 HDMI standard cable
Output cable distance.....	≤15m(1080P)/6M(4K) AWG26 HDMI standard cable
Max working current.....	400mA
Power adapter format.....	Input: AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range.....	(-10 to +55°C)
Storage Temperature range.....	-20 to +60°C
Operating Humidity range.....	5 to 85%RH (No Condensation)
Storage Humidity range.....	5 to 95%RH (No Condensation)
Dimension (L x W x H) .....	113X56X22(mm)
Weight.....	165g

### IR Remote Operating Instruction



⏻ : Power standby/Power on

- 1: Select HDMI IN1 for the input port
- 2: Select HDMI IN2 for the input port
- 3: Select HDMI IN3 for the input port
- 4: Select HDMI IN4 for the input port

</> : Turn Up/down circulation switch input port

PIP1: Choose the first small picture input source.

PIP2: Choose the second small picture input source.

PIP3: Choose the third small picture input source.

PIP: PIP ON/OFF Button.

OK: Option Confirm Button at PIP

Auto: Auto Detect Button for Input Sources.

(Note: Use after the battery separator film is pulled out)

### Notes:

1. PIP function only effect for input source with resolution not higher than 4K@30Hz.
2. At PIP state, at left side of main picture will show the new input source small picture.
3. The small picture size at PIP state is fixed.

### Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machine is not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adaptor.

Figure 1.3 Remote Panel View

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connected	<ol style="list-style-type: none"><li>1、 Check if the power adaptor head is truly and correctly inserted the power socket.</li><li>2、 Check the power switch if it is in on status.</li></ol>
2	No Picture	<ol style="list-style-type: none"><li>1、 Pls to make sure that the TV is on and has been connected with the machine .</li><li>2、 To check if the signal source is on and well connected.</li><li>3、 Check the system connection quality.</li><li>4、 Check if the line is all good quality.</li><li>5、 Check the cable quality.</li></ol>
3	Obscure Picture	<ol style="list-style-type: none"><li>1、 To try again to connect the cable to be free from the unsuccessful connection.</li><li>2、 HDMI Cable Quality</li></ol>
4	Remote	<ol style="list-style-type: none"><li>1、 Pls check if the film that stops the current has been taken out.</li><li>2、 To check if the remote battery is working well.</li></ol>